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Trip Computer

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TRIP COMPUTER

FINAL REPORT

SENIOR DESIGN

PHASE II

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ABSTRACT

The trip computer is designed to aid truck drivers by providing the driver with such vital information as the average and current speed of the vehicle, total distance travelled, and a time-to-distance conversion. The computer converts the rotational motion of the speedometer cable into vehicle speed in miles-per-hour.

The trip computer is based on an Intel 8052-AH BASIC microcontroller. The microcontroller has a full-feature BASIC intrepreter built on the chip, this allows users to program in the simpler to use BASIC language.

Due to the versatility of this device, it could be easily adapted to any type of vehicle.

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